

Amendments to the Claims:

Listing of Claims:

1-28. (Canceled)

29 (Currently amended). An purified antibody which binds to a *patched-2* polypeptide (1) having greater than 91% sequence identity to the human *patched-2* polypeptide of Figure 1 (SEQ ID NO:2) as measured by BLAST-2 set to the default parameters, and (2) which binds to hedgehog. [page 49, lines 33-36]

30 (Previously presented). The antibody of Claim 29, wherein the *patched-2* polypeptide comprises amino acid residues 1 to 1203 of Figure 1 (SEQ ID NO:2).

31 (Previously presented). The antibody of Claim 29, wherein the sequence identity is at least 92%.

32 (Previously presented). The antibody of Claim 29, wherein the sequence identity is at least 93%.

33 (Previously presented). The antibody of Claim 29, wherein the sequence identity is at least 95%.

34 (Previously presented). The antibody of Claim 29 which is polyclonal.

35 (Previously presented). The antibody of Claim 29 which is monoclonal.

36 (Previously presented). The antibody of Claim 29 which is humanized.

37 (Previously presented). The antibody of Claim 29 which is bispecific.

38 (Previously presented). The antibody of Claim 29 which is heteroconjugated.

39 (Currently amended). ~~An~~ A purified antibody which binds to a *patched-2* polypeptide (1) having greater than 91% sequence identity to the human patched-2 polypeptide of Figure 1 (SEQ ID NO:2) as measured by BLAST-2 set to the default parameters, and (2) which binds to *Smoothened*. [page 49, lines 33-36]

40 (Previously presented). The antibody of Claim 39, wherein the patched-2 polypeptide comprises amino acid residues 1 to 1203 of Figure 1 (SEQ ID NO:2).

41 (Previously presented). The antibody of Claim 39, wherein the sequence identity is at least 92%.

42 (Previously presented). The antibody of Claim 39, wherein the sequence identity is at least 93%.

43 (Previously presented). The antibody of Claim 39, wherein the sequence identity is at least 95%.

44 (Previously presented). The antibody of Claim 39 which is polyclonal.

45 (Previously presented). The antibody of Claim 39 which is monoclonal.

46 (Previously presented). The antibody of Claim 39 which is humanized.

47 (Previously presented). The antibody of Claim 39 which is bispecific.

48 (Previously presented). The antibody of Claim 39 which is heteroconjugated.

49 (Currently amended). ~~An~~ A purified antibody which binds to the *patched-2* polypeptide encoded by the human cDNA insert of the polynucleotide deposited under ATCC 209779. [page 49, lines 33-36]

50 (Previously presented). The antibody of Claim 49 which is polyclonal.

51 (Previously presented). The antibody of Claim 49 which is monoclonal.

52 (Previously presented). The antibody of Claim 49 which is humanized.

53 (Previously presented). The antibody of Claim 49 which is bispecific.

54 (Previously presented). The antibody of Claim 49 which is heteroconjugated.